

# Jared Petry

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## EDUCATION

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**Masters of Environmental Data Science (MEDS) Degree** (Expected June 2023)

**Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)**

Highlighted Coursework: Machine Learning, Python, R, Geospatial Analysis and Remote Sensing, Statistics

Capstone Project: Role - Project Manager, Client - WildAid Marine, Product – Data Visualization

**Bachelor of Science in Environmental Studies** (June 2021)

**University of California, Santa Barbara (UCSB)**

Honors/Awards: Letters and Sciences Dean's Honors (Fall 2019, Fall 2020, Winter 2021, Spring 2021),  
American Indian Cultural Resource Center Book Scholarship (2019)

Study Abroad: Southern Chile, Wildlands Studies Program of Western Washington University

## EXPERIENCE

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**Fisheries Technician** (1/22–7/22)

**Pacific State Marine Fisheries Commission (PSMFC)**, Santa Barbara, California

- Surveyed Caltrans roadway crossing structures to assess and quantify salmonid habitat value
- Created maps of watershed areas in ESRI ArcGIS Software to calculate streamflow estimations
- Organized and compiled data to communicate anadromous fish passage constraints to client

**Sustainability Coordinator and Seafood Retailer– Kanaloa Seafood**, Santa Barbara, California (6/21–1/22)

- Managed sustainability compliance for International Organization of Standardization (ISO).
- Provided ecologically responsible seafood and fisheries knowledge to clientele.

**Biodiversity Analysis Intern** (3/21–7/21)

**Marine Biodiversity Observation Network (MBON)**, Santa Barbara Channel

- Identified 200+ marine algae and invertebrate species in various local benthic ecosystems
- Contributed to data entry and quality control standardization of observed species throughout project

**Restoration Intern** (3/19–6/21)

**Cheadle Center for Biodiversity and Ecological Restoration (CCBER)**, Santa Barbara, California

- Identified, quantified, and managed the restoration of native coastal vegetation
- Surveyed various microclimates within the Devereux preserve and trained newer students on identification

## ADDITIONAL EXPERIENCE

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**Bioswale Garden Groundskeeper – UCSB Grounds Department**, Santa Barbara (10/19–1/20)

**Sustainable Urban Farming Intern – Fairview Gardens**, Goleta (9/18-1/19)

## SKILLS

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- **Technical**
  - Languages and Software: R/RStudio, RShiny, tidyverse, tidymodels, ggplot2, plotly, Python, numpy, pandas, matplotlib, GitHub, Microsoft Office, Zoom, Slack, Trello
  - Skills: Querying, wrangling, cleaning, and visualizing data within reproducible workflows, predictive modeling, RShiny application development
- **Critical Thinking**
  - Scientific: Terrestrial and marine ecology, physics and mathematics, troubleshooting, scientific communication and academic proposal writing
  - Communication: Creating and delivering presentations, project management, collaborating with team members, scheduling and facilitating meetings